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(54) Title: DISINFECTING COMPOSITION AND METHODS OF MAKING AND USING SAME

(57) Abstract: The invention relates to antimicrobial compositions that can be used for disinfecting and can be applied in various aspects of the national economy, medicine, and laboratories of all types. The antimicrobial compositions comprise a chelating metal complex compound with a monodentate bidentate or polydentate ligand that exhibits affinity to hydrogen ion, an ionogenic surfactant, and a solvent. The compositions of the invention display antiseptic properties. The antimicrobial compositions are active against Gram-positive and Gram-negative bacteria, fungi, viruses, and spores, and can be applied in a broad temperature interval. Methods of using the compositions of the present invention in the treatment and prevention of diseases caused by a variety of pathogens are further provided.